

SOME MORE BARK- AND TIMBER-BEETLES FROM AUSTRALIA.

158. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA.

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Synopsis.

This paper lists a number of new records of Scolytoidea in Australia, from both native and imported timber intercepted at Australian ports. One new genus and one new species are described.

Two more consignments of Bark- and Timber-Beetles from Australia, one submitted by the courtesy of the Commonwealth Institute of Entomology in London, the other one originating from the collection of Mr. J. W. T. Armstrong, Callubri, Nyngan, New South Wales, give the opportunity to enlarge our knowledge about the Australian fauna and also to show which species have been introduced with imported timber in various ports. The results of the identifications, as usual, are divided into new records and the description of new species.

NEW RECORDS.

*Collection Mr. J. W. T. Armstrong.**Leperisinus tricolor* Schedl, N.S.W., Acacia Plateau, J. W. T. Armstrong.*Leperisinus bimaculatus* Schedl, N.S.W., Acacia Plat., J. W. T. Armstrong.*Xylechinus acaciae* Lea, N.S.W., Waratah, 13.iii.1940.*Acacis abundans* Lea, N.S.W., Acacia Plat., J. W. T. Armstrong; N.S.W., Waratah, 13.iii.1940.*Acacis minor* Schedl, N.S.W., Acacia Plat., J. W. T. Armstrong.*Hylesinus varians* Lea, N.S.W., Acacia Plat., J. W. T. Armstrong.*Aricerus fici* Lea, N.S.W., Acacia Plat., J. W. T. Armstrong; Wide Bay, Queensland, 8 Palace, S., N.G.R., 25.ii.1905.*Scolytogenes cryptolepis* Schedl, N. Queensland, Cairns, Brooks.*Xyleborus testaceus* Walk., N. Queensland, Cairns, Brooks.*Commonwealth Institute of Entomology.**Leperisinus bimaculatus* Schedl, N. Queensland, Cairns, E. W. Ferguson collection.*Diamerus interstitialis* Lea, N. Queensland, Gordonvale, 1919, ex coll. S.A. Mus.; N.S.W., E. W. Ferguson.*Zygophloeus australis*, n. g., n. sp., N.S.W., Lisarow, 29.xi.1953, reared ex *Acacia decurrens*, K. M. Moore.*Cryphalus hagedorni* Egg., C.S.I.R.O. Exp. Farm, Katherine, N.T., August, 1947, A. Wynn.*Stephanoderes melasomus* Lea, N.S.W., Lisarow, 21.viii.1954, K. M. Moore, ex *Muellerina eucalyptifolia*.*Xyleborus novaguineanus* Schedl, N. Q'ld., Wongabel, 11.ii.1930, R. H. Doggrell, boring in *Endiandra palmerstonii*, per A. L. Tonnoir; N. Q'ld., Cairns, E. W. Ferguson collection.*Platypus incompertus* Schedl, N.S.W., Dorriggo, 23.iii.1954, J. Cartwright, ex *Eucalyptus laevopinea*.*Platypus pernanulus* Schedl, Wongabel, 10.x.1930, ex Bolly Gum (*Litsea reticulata*).*Platypus queenslandi* Schedl, N.S.W., Lisarow, 11.v.1954, P. Hadlington and K. M. Moore, ex *Eucalyptus saligna*.*Platypus subgranosus* Schedl, N.S.W., Bulga, 22.9.26, W. W. Froggatt, dead tree on ground.

Imported with Lumber from the Pacific Islands or the East Indies.

- Xyleborus cognatus* Blandf., N.S.W., Sydney, 31.x.1924, W. W. Froggatt, in Red Lauan (*Shorea* sp.); N.S.W., Vanikoro, Sydney, *Vera Cruz*,* Kauri (*Agathis* sp.), log, 1925, W. W. Froggatt; South Australia, xi.1952, J. Wright.
- Xyleborus laeviusculus* Blandf., N.S.W., Sydney, Vanikoro, *Vera Cruz*,* Kauri (*Agathis* sp.), log, 12.ix.1924, W. W. Froggatt; N.S.W., Sydney, 31.x.1924, W. W. Froggatt, in Red Lauan (*Shorea* sp.).
- Xyleborus fleutiauxi* Blandf., N.S.W., Sydney, 31.x.1924, W. W. Froggatt, in Red Lauan (*Shorea* sp.).
- Xyleborus testaceus* Walk., N.S.W., Sydney, 31.x.1924, W. W. Froggatt, in Red Lauan (*Shorea* sp.); South Australia, xi.1952, J. Wright, Fiji origin; N.S.W., Lismore, 17.x.1952, K. Bootle; Solomons, Santa Cruz Isl., 1926, W. W. Froggatt, Kauri log.
- Diapus pusillimus* Chap., N.S.W., Sydney, 31.x.1924, W. W. Froggatt, in Red Lauan (*Shorea* sp.).
- Arixyleborus medius* Egg., N.S.W., Balmain, Borneo Cedar (*Shorea* sp. (?)), 20.iii.1928, W. W. Froggatt.
- Platypus jansoni* Chap., Fumigator, A. Brooks, 1926.
- Platypus pseudocupulatus* Schedl, N.S.W., Balmain timber yards, 5.v.1953, M. B. Cappa, ex Ramin (*Gonystylus* sp.) from Rejang River, Sarawak.
- Platypus pseudopacus* Schedl, N.S.W., Sydney, Wallis' yards, W. W. Froggatt, 23.iii.1923, Pacific maple (*Dipterocarpus* sp.).
- Platypus subgranosus* Schedl, N.S.W., Borneo in Pacific maple, 3/22, Wallis & Co.
- Crossotarus miniszechi* Chap., N. Guinea, Kikori, G. N. . . ., W. W. Froggatt.
- Diapus 5-spinatus* Chap., W. Australia, 1924, J. Clark, Borneo timber; Solomons, Santa Cruz Isl., 1926, Kauri log, W. W. Froggatt collection; N.S.W., F.C., Pyrmont, 16.ii.1948, P. Hadlington, ex *Shorea* sp.
- Diapus pusillimus* Chap., N.S.W., F.C., Sydney timber yard, ex N. Guinea Walnut (*Dracontomelum magniferum*), 8.iv.1941, K. L. Taylor.
- Xyleborus ferrugineus* Fab., N.S.W., Lismore, 17.x.1952, K. Bootle.

ZYGOPHLOEUS, n. gen.

General appearance similar to that of *Hypoborus* Er. Head concealed under the pronotum, the latter ascending from the apex to the base as in many Hylesinae, trapezoid in outline, base bisinuate, scutellum not visible. Antennae with the scape club-shaped, the funiculus 6-segmented, the club consisting of three joints separated by distinct septa. Base of the elytra crenulate, the asperities becoming larger and higher towards the suture, outline and declivity similar as in *Hypoborus* Er.

This new genus has to be placed in the Hypoborini between *Glochicopterus* Schedl and *Acacicis* Lea, on one side, and those genera with a 5-segmented funiculus on the other.

ZYGOPHLOEUS AUSTRALIS, n. sp.

Dark reddish-brown when mature, 1.3 mm. long, 1.9 times as long as wide, pubescence yellowish brown.

Front broadly convex, feebly aplanate in the centre, feebly shining, finely rugosely sculptured, covered with very short scale-like setae.

Pronotum wider than long (18:12), widest at the base, postero-lateral angles not rounded but closely attached to the elytra, sides very feebly and obliquely narrowed in the basal half, thence with a rather strongly developed constriction, apex very broadly rounded; ascending from the apex to the base, feebly convex, surface silky shining, minutely punctulate, very finely punctured, the punctures bearing short inclined scale-like setae.

* There is little doubt that Froggatt labelled these specimens *Vera Cruz* in error. Vanikoro is in the Santa Cruz group, near the Solomon Islands. It should also be noted that Froggatt frequently used his stock labels printed "Sydney, N.S.W." to indicate that specimens were collected in Sydney, even though they were bred from timber imported from other places.

Elytra somewhat wider (20:18) and twice as long as the pronotum, sides parallel on the basal half, apex broadly rounded, declivity commencing somewhat behind the middle, evenly convex; disc striate-punctate, the striae more distinct towards and on the declivity, the striae punctures moderately large, the interstices rather narrow, finely and densely rugose, each one of them bearing a median row of remotely placed, ascending spatulate scales, the smaller, inclined scales on each side of the median row somewhat irregular in arrangement; declivity with pubescence inconspicuous, the suture with more numerous inclined scales.

Types: Holotype in Division of Entomology Collection, C.S.I.R.O., Canberra, Australia; four paratypes in British Museum (Natural History) and four in collection Schedl.

Locality: New South Wales, Lisarow, 29.xi.1953, reared ex *Acacia decurrens*, K. M. Moore.

XYLECHINUS ACACIAE Lea.

(= *Phloeophthorus acaciae* Lea.)

The examination of the antennae of *Phloeophthorus acaciae* Lea has proved that this species must be referred to the genus *Xylechinus*. Some specimens recently collected at Waratah, Australia, 13.iii.1940, belong to this hitherto doubtful species.
